

Q.2

Section - 06.

Ans:-

Append () :- used for appending and adding elements to list. It is used to add elements to the last position of list.

Syntax :- list.append (element).

Adds List Element as value of list.

List = ['Mathematics', 'Chemistry']

(ii)

Insert () :- Inserts an element at specified position.

Syntax :- list.insert (<position, element).

Note :- Position mentioned should be within the range of list, as in this case b/w 0 and 4, elsewise would throw index error.

List = ['Mathematics', 'Chemistry', 1997, 2000]

Insert at index 2 value 10087

(iii)

Extend () :- Adds contents to list 2 to the end of list 1.

Syntax :- (list1.extend (list2))

List 1 = [1, 2, 3]

List 2 = [2, 3, 4, 5]

Add list 2 to list 1 list 1.extend (list 2)

(IV)

Sum() :- Calculates sum of all the elements of list.

Syntax :- Sum(list).

List = [1, 2, 3, 4, 5]

Sum is calculated only for numeric values, elsewise throws type Error. See Example.

List = [gfg, abc, 3]

Type Error :- Unsupported operand type(s) for +: - 'int' and 'str'.

(V)

~~Count()~~ :- Index :- Returns the index of first occurrence. start and end index are not necessary parameters

Syntax :- list.index(element [start [end]]).

List = [1, 2, 3, 1, 2, 1, 2, 3, 2, 1]

(VI)

All() :- Calculates of all the elements of list.

Syntax → all(list)

List = [2.3, 4.445, 3, 5.33, 2.5]

print(all(list)).

O/P → 5.33.